

Power Cost Memorandum Fuel Cost Update and Surcharge Change

Date: December 17, 2020

Utility Name (Cert. No.) CORDOVA ELECTRIC COOPERATIVE, INC. (160)	Utility File No. PC15-0417TT	Date Filed: December 2, 2020
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PCE AMOUNT SUMMARY	Previously Calculated PC15-0417SS	Staff Recommended Amount(s) and Effective Date PC15-0417TT
Class Rate	<u>Date Approved:</u> November 6, 2020	December 18, 2020
Residential	\$0.0506	\$0.0509
Community Facilities:		
Boat Harbor	\$0.0506	\$0.0509
General Service 0 to 500 kWh	\$0.0506	\$0.0509
General Service over 500 kWh	\$0.0506	\$0.0509
Large Power 0 to 5,000 kWh	\$0.0506	\$0.0509
Large Power 5,001 to 20,000 kWh	\$0.0506	\$0.0509
Large Power Over 20,000 kWh	\$0.0506	\$0.0509
Street Lights	\$0.0506	\$0.0509
<input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent		

Prior Fuel Purchase Price: <u>\$1.8551</u>	New Fuel Purchase Price: <u>\$1.8740</u>
<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted	<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted
Delivery Charge: _____	Surcharge Change: Previous <u>0.01168</u> Updated <u>0.01068</u>

Signed: Brenda Cox
Brenda Cox

Utility Financial Analyst

Commission decision re. this recommendation :

	Date (if different from 12/17/20)	I CONCUR	I DO NOT CONCUR	I WILL WRITE A DISSENTING STATEMENT *
Pickett		<u>RMP</u>		
McAlpine		<u>SM</u> SM		
Scott		<u>AGS</u> AGS		
Sullivan		<u>JS</u> JS		
Wilson		<u>JW</u> JW		

Special Instructions to Staff:

* If this column is initialed, Staff will contact the Commissioner for the statement. Otherwise, dissent will simply be noted at the close of the By Direction Letter or Order.

CORDOVA ELECTRIC COOPERATIVE, INC.

POWER COST EQUALIZATION CALCULATION
 BASED ON TEST PERIOD ENDING DECEMBER 31, 2016
Fuel Cost Update and Surcharge Change

	PC15-0417SS	PC15-0417TT	
	Prior Commission Approval	Utility Request	Staff Recommended
A. Total kWh Generated	25,143,424	25,143,424	25,143,424
B. Total kWh Sold (Appendix 2)	23,444,126	23,444,126	23,444,126
C. Total Non-Fuel Costs (Appendix 2)	\$5,257,401	\$5,257,401	\$5,257,401
D. Non-Fuel Cost/kWh (C / B)	\$0.2243	\$0.2243	\$0.2243
E. Total Fuel Costs (Appendix 2)	\$826,725	\$835,148	\$835,148
F. Fuel Costs/kWh (E / B)	\$0.0353	\$0.0356	\$0.0356
G. Eligible Costs/kWh (D + F)	\$0.2596	\$0.2599	\$0.2599
H. Eligible Cost/kWh (G) less base rate in effect	\$0.0533	\$0.0536	\$0.0536
I. Lesser of (H) or 79.37 cents/kWh	\$0.0533	\$0.0536	\$0.0536
J. Average Class Rates (Appendix 3)			
Residential	\$0.1068	\$0.1058	\$0.1058
Community Facilities:			
Boat Harbor	\$0.1323	\$0.1313	\$0.1313
General Service 0 to 500 kWh	\$0.1117	\$0.1107	\$0.1107
General Service over 500 kWh	\$0.0741	\$0.0731	\$0.0731
Large Power 0 to 5,000 kWh	\$0.1300	\$0.1290	\$0.1290
Large Power 5,001 to 20,000 kWh	\$0.1070	\$0.1060	\$0.1060
Large Power Over 20,000 kWh	\$0.0838	\$0.0828	\$0.0828
Street Lights	\$0.0919	\$0.0909	\$0.0909
Class Power Cost Equalization Per kWh Payable			
K. Lesser of: (I) x 95% or (J)			
Residential	\$0.0506	\$0.0509	\$0.0509
Community Facilities:			
Boat Harbor	\$0.0506	\$0.0509	\$0.0509
General Service 0 to 500 kWh	\$0.0506	\$0.0509	\$0.0509
General Service over 500 kWh	\$0.0506	\$0.0509	\$0.0509
Large Power 0 to 5,000 kWh	\$0.0506	\$0.0509	\$0.0509
Large Power 5,001 to 20,000 kWh	\$0.0506	\$0.0509	\$0.0509
Large Power Over 20,000 kWh	\$0.0506	\$0.0509	\$0.0509
Street Lights	\$0.0506	\$0.0509	\$0.0509
L. Funding Level in Effect	100%	100%	100%
Residential	\$0.0506	\$0.0509	\$0.0509
Community Facilities:			
Boat Harbor	\$0.0506	\$0.0509	\$0.0509
General Service 0 to 500 kWh	\$0.0506	\$0.0509	\$0.0509
General Service over 500 kWh	\$0.0506	\$0.0509	\$0.0509
Large Power 0 to 5,000 kWh	\$0.0506	\$0.0509	\$0.0509
Large Power 5,001 to 20,000 kWh	\$0.0506	\$0.0509	\$0.0509
Large Power Over 20,000 kWh	\$0.0506	\$0.0509	\$0.0509
Street Lights	\$0.0506	\$0.0509	\$0.0509

CORDOVA ELECTRIC COOPERATIVE, INC.

SCHEDULE OF ELIGIBLE POWER COSTS, SALES, AND EFFICIENCY

BASED ON TEST PERIOD ENDING DECEMBER 31, 2016

Fuel Cost Update and Surcharge Change

	PC15-0417SS	PC15-0417TT	
	Prior Commission Approval	Per Utility	Per Staff
Non-Fuel Costs:			
A. Hydraulic Power Generation	734,419	734,419	734,419
B. Other Power Generation	798,864	798,864	798,864
C. Distribution Expenses	695,937	695,937	695,937
D. Consumer Expenses	305,814	305,814	305,814
E. Administrative & General	1,164,204	1,164,204	1,164,204
F. Allowable Fixed Costs	1,531,670	1,531,670	1,531,670
G. Fuel Cartage, Lube Oil & Boiler Fuel	28,024	28,024	28,024
Revenues not related to Operating Exp.			
H.1 Interest Income	0	0	0
H.2 Non-operating Income	(132,843)	(132,843)	(132,843)
Non-operating Expense	131,312	131,312	131,312
Total Non-Fuel Costs	\$5,257,401	\$5,257,401	\$5,257,401
Fuel Costs:			
I. Gallons Consumed for Electric Generation	445,650	445,650	445,650
J. Price of Fuel	1.8551	1.8740	1.8740
K. Total Cost of Fuel	\$826,725	\$835,148	\$835,148
L. Total Sales	23,444,126	23,444,126	23,444,126
M.1 kWh Generated Diesel	5,733,054	5,733,054	5,733,054
M.2 kWh Generated Hydro	19,410,370	19,410,370	19,410,370
M.3 Total kWh Generated	25,143,424	25,143,424	25,143,424
N. Station Service	272,540	272,540	272,540
O. Fuel Efficiency (M.1/I)	Standard ≥ 12.0	12.86	12.86
P. Line Loss	≤ 12%	5.67%	5.67%

((kWh generated-(kWh sales+ Station Service))/kWh generated

CORDOVA ELECTRIC COOPERATIVE, INC.

Surcharge 0.01068
Fuel Price \$1.87400

Calculation of Average Class Rate per kWh

Rate Schedule: 100 Residential

Customer Charge (CC): \$15

(1) kWh by Block	(2) Rate (\$/kWh)	(3) Surcharge If Applicable (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)+ CC	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - \$0.2063 kWh
500	0.2714	0.01068	0.2821	156.05	0.3121	0.1058

500 156.05 0.3121 0.1058
TOTAL (A) (E)

Rate Schedule: Boat Harbor

Customer Charge (CC) : \$15

(1) kWh by Block	(2) Rate (\$/kWh)	(3) Surcharge If Applicable (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)+ CC	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - \$0.2063 kWh
500	0.296900	0.01068	0.3076	168.80	0.3376	0.1313

TOTAL (A) (E)

Rate Schedule:

(1) kWh by Block	(2) Rate (\$/kWh)	(3) Surcharge If Applicable (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - \$0.2063 kWh

TOTAL (A) (E)

CORDOVA ELECTRIC COOPERATIVE, INC.

Computation of Community Facilities Average Rate

Rate Schedule: 200 General Service

Consumer Charge:

\$23.50

	(A) Rate (\$/kWh)	(B) Surcharge If Applicable (\$/kWh)	(C) Total Rate (\$/kWh) (CC/500)	(7) Avg. Rate (\$/kWh) - \$0.2063 kWh
0 to 500	0.2593	0.01068	0.3170	0.1107
501 to 9,999,999	0.2217	0.01068	0.2794	0.0731

Rate Schedule: 800 Large Power

Consumer Charge:

\$60.00

	(A) Rate (\$/kWh)	(B) Surcharge If Applicable (\$/kWh)	(C) Total Rate (\$/kWh) (A+B) +	(7) Avg. Rate (\$/kWh) - \$0.2063 kWh
0 to 5000	0.2046	0.01068	0.3353	0.1290
5,001 to 25,000	0.1816	0.01068	0.3123	0.1060
Over 25,000	0.1584	0.01068	0.2891	0.0828

Rate Schedule: 900 Street Lights

	(A) Rate (\$/kWh)	(B) Surcharge If Applicable (\$/kWh)	(C) Total Rate (\$/kWh) (A+B)	(7) Avg. Rate (\$/kWh) - \$0.2063 kWh
0 to ∞	0.2865	0.01068	0.2972	0.0909

Surcharge Calculation:

Fuel Price= \$1.87400

Surcharge= \$0.01068

PC15-0417TT

Appendix 3

2 of 2

CORDOVA ELECTRIC COOPERATIVE, INC.

Fuel Purchases

ORCA:

Date	Invoice No.	Gallons	Price	Cartage	Cost	Weighted Average Cost
Balance		24,275.0	\$1.8560		\$45,055.12	\$1.8560
11/04/20	177502	8,732.0	\$1.8792		\$16,409.17	
11/06/20	177656	7,369.0	\$1.8792		\$13,847.82	
11/09/20	177724	5,183.0	\$1.8792		\$9,739.89	
11/16/20	178057	7,971.0	\$1.8792		\$14,979.10	
11/18/20	178167	6,054.0	\$1.8792		\$11,376.68	
11/20/20	178252	9,246.0	\$1.8792		\$17,375.08	
11/21/20	178357	4,463.0	\$1.8792		\$8,386.87	
11/23/20	178358	6,460.0	\$1.8792		\$12,139.63	
11/25/20	178451	10,261.0	\$1.8792		\$19,282.47	
11/27/20	178512	7,629.0	\$1.8792		\$14,336.42	
11/30/20	178627	11,494.0	\$1.8792		\$21,599.52	

300kW

109,137.00

\$204,527.77

\$1.8740

Starting Bal-300 kW

0

\$0.0000

\$0.00

SubTotal

0

\$0.00

\$0.0000

Avg Cost of Fuel Avail

109,137

\$204,527.77

Total Weighted Average

\$1.8740

Surcharge Calculation:

Fuel Price= \$1.8740

Surcharge= \$0.01068

Signature:



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PC15-0417TT
Schedule BKC-1